



IBIX[®]
INDUSTRIAL

INNOVATIVE SOLUTIONS
FOR THE ANTICORROSION COATING INDUSTRY

HERCULES

**THE MOST PERFORMING
MOBILE COATING SYSTEM
FOR METALS AND CONCRETE**



HERCULES FLAME SPRAY

Revolutionary Portable flame spray coating system for metal substrates, tanks, vessels, structural steel, concrete flooring, concrete tanks and other surfaces. The most efficient technology to prevent surface corrosion by applying eco-friendly thermoplastic coating systems on site.

Hercules is:

- compact
- portable, easy to carry
- easy to use
- versatile thanks to three application gun sizes with different flow rates and available in different versions (featuring straight flow or wide spray pattern), fully interchangeable
- the application process can be easily controlled by means of fast settings

SYSTEM DESCRIPTION AND TECHNICAL DATA:

- Mobile unit with large wheels for easier transport on rough terrain
- Quick connect, colour coded hoses to machine (9 m. long with possible 6 m. optional extension)
- Just requires LPG (minimum propane content: 50-60%; 3 bar pressure) and compressed dry air - 1100l/min (40 cfm) or more

Overall dimensions:

Installed machine max height:	1050 mm [41.34 inch.]
Installed machine max width:	700 mm [27.56 inch.]
Weight of the machine (with empty tank):	55 kg approx. [121 lbs]
Weight (empty tank):	25 kg [55 lbs]
Weight of full tank only:	35 kg approx. [77 lbs]



NEW "CENTURION" GUN THE MOST POWERFUL GUN OF ITS TIME POWERED BY IBIX®

WIDER SPRAY PATTERN (over 10 cm. with the Large CENTURION gun) offering:

- faster spraying and more uniform layers (bigger powder flow spread over a much larger area)
- easier overlapping of passes and better powder flowing out
- no powder "lines" or "stripes"
- minimizes the risk of un-molten powder with air trapped in the coating

PATENTED



ACCESSORIES

- Infrared pyrometer with laser pointer to remotely check at all times the preheating temperature and the coating temperature of the object being treated
- Qnix thickness gauges: non-destructive gauges to measure the thickness of coating on either ferrous or non-ferrous substrates
- Non destructive thickness gauge for a wide range of applications which require the ultrasonic technology (such as concrete)
- Preheating auxiliary systems, useful for coatings on particularly thick structures or in extremely cold weather conditions



CASE HISTORY

The **Hercules** Flame-Spraying System applies several kinds of thermoplastic powders – PolyHotCote, Polyfusion, PP, for instance. These anti-corrosive coatings are long lasting, highly resistant to the sun, sand, salt deposits, water and air and chemical pollutants in general.

IBIX® thermoplastic powders such as PolyHotCote, Polyfusion, etc. do not require any primer and they can be used for functional anti-osmotic, anti acid, anti abrasion coatings; also available in non-slip versions.



Anti-osmotic barrier

- for outdoor structures such as buildings/constructions, bridges, off-shore sector, nautical applications



Continuous dielectric insulation

- protective coating against stray currents for articles to be buried
- electrical and marine corrosion protection

Chemical resistance

- anti-acid coating for tanks, containers, fittings, industrial plants



Abrasion resistance

- abrasion-resistant coatings, high mechanical strength
- coatings for ducts to discharge mineral waste and process water

REVOLUTIONARY FLAME SPRAY COATING SYSTEM FOR CONCRETE FLOORING, CONTAINMENT TANKS AND OTHER CONCRETE ITEMS

The **Hercules** flame spray coater is a revolutionary coating system that virtually eliminates all of traditional plaster and paint coating shortcomings. It is resistant to chipping, peeling and scratching. It dries in seconds and is extremely durable.

The **Hercules** flame spray coater was specifically designed to produce a polymeric anti-osmotic coating using our **IBIX®** Polyfusion thermoplastic powder following our recommended application cycle, therefore, the coated structure can be immediately put in service.

The finishes are easily applied with our proven application methods and the end result is a smooth and durable beautiful finish, that will last for many years to come.

IBIX® Polyfusion coatings offer:

- Long term protection
- UV resistance
- Anti-osmotic barrier
- Flexibility
- Repairability
- Excellent adhesion thanks to the special epoxy primer sealing the concrete substrate

IBIX® Polyfusion has been approved according several certifications and test results, such as:

- Anti-slip Certification according to DIN 51130 standard
- Drinking Water and Food contact approval
- Certifications according to EN 13813 standard (bond strength; impact strength and wear resistance tests)
- Other (please ask **IBIX®** for further information)

The New "Centurion" Wide Spray gun allows **Hercules** to offer extremely high flame spray coating speeds on concrete substrates.



NEW EXTRA-COOLING SYSTEM
with heat exchanger for prolonged flame spraying.

STANDARD COLOR CARD



RAL 7001



RAL 7035



RAL 7046



RAL 7016



RAL 1015



RAL 6005



RAL 9016



RAL 5017



RAL 3020

Examples of special colors :



Other colors available upon request.

IBIX SRL

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